

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: km@PACT.ORG.PE (Kris Merschrod)
Subject: [34] CMOS II Hash browns
Message-ID: <m0tFWV6-000B0eC@rcp.net.pe>

I've had two.
Byron and I were talking this over the other day.

Both of mine were in plastic cases and run right next to the rig.
The first rig was a homebrew so shielding was none existant -- no hash.

The present one is powered from the rig's accesory jack (Ten-Tec Delta II) so the ground on the rig is the ground of the CMOS II and all of that goes to the main ground of the building. No hash

What is annoying is if I do not turn off the CMOS monitor (side tone) because that does get into the earphones (Heil head set).

I was thinking of putting it or another version into the Explorer II -
- and probably will do something like the RAC keyer. There are procesors in these keyers using crystals. If that crystal Freq. has harmonics related to an IF or RF then a problem arise.

To test the CMOS II, I just moved it all over the Rig on each band and still no hash. It has all sorts of wires hanging out of it and around the rig. Including a 3 wire lead to a mouse which is serving time as a finger paddle.

72,

Kris
OA4DBO

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: Bob_Tellefsen-CNSE97@email.mot.com
Subject: [33] Code Speed
Message-ID: <M553234.002.27fq0.1.951115004526Z.CC-MAIL*/OU=LMPCC10/OU=ILBB/PRMD=MOT/ADMD=MOT/C=US/@MHS>

I've followed the thread regarding KK5HA's search for the code speed silver bullet. I agree with the various comments, but there is one point I haven't seen made.

What helps me work at a 25 to 30 wpm pace is to relax and be conversational. I admit well-sent code is easier for me to copy. In fact, I need a keyboard sending to me to be able to copy 30 wpm.

Yes, we all want to send perfect code, but if you are worrying about that, you will never relax enough to let the code just flow. Remember, errors have always been with us, that's why we have the error signal. If you miss something receiving, just ask for a repeat and keep going. Don't sweat it.

Code has been compared to a foreign language, and like language, fluency comes from use. Just get on the air and ragchew, and it will get better with time.

72, Bob N6WG

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: torell@sicom.com (Kent Torell)
Subject: [16] foreign callsign lookup
Message-ID: <v02130501acce7bec579c@[192.91.202.41]>

My very first cw contact in 20 years (give or take a few) was with a gentleman in Sonora, Mexico; XE2HQ. I was so excited, I could only maintain enough composure to roughly follow our QSO; his name was Rafael, but most everything else I copied was unintelligible garbage ---
-rrr ok ok gwg om--qoer call--frst rst es 579--qhessplussplus
sonora?onon,mexico. so hw cpy? bk---- etc.

This was a little unnerving, to say the least! I stumbled along for 15 minutes before signing off, then ran around the house for about half an hour to let my adrenalin levels drop.....

I have been poking around trying to find a foreign license data base, so I can send him a big thank you, but haven't had any luck (other than buying a shrink-wrapped foreign callbook). Could someone point me to a server that has this stuff? The qrp-1 one is very nice, but I think it only has the fcc database.

Thanks gang! 72, Kent Torell KJ7EY (10 dB below QRP)

Kent Torell torell@sicom.com 602-483-2867
SICOM 7585 E. Redfield, #202 Scottsdale, AZ 85260

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995

From: "John F. Jarvis" <jfj@pacer1.usca.sc.edu>
Subject: [45] fox
Message-ID: <199511151235.HAA03158@pacer1.usca.sc.edu>

No sign of the fox in Augusta, GA but I did meet a couple of other hunters while prowling thru the woods: NA5K, Smitty and NA5M, Paul.
John Jarvis, KE2WB

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: lewise@bga.com
Subject: [42] FOX - Skunked again...
Message-ID: <9511151321.AA0174@localhost>

Well this is getting to be a habit... A bad one...

Did not hear the FOX or anyone working him....

Heard 6s, Minden Nv, W1AW, Tn, and others, even heard WI6I working N4FNG qrp-qrp, good sigs here.

Don't tell me I'm out on the wrong night!!!

--

KA5T Larry Wise Georgetown, Texas lewise@bga.com

--

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: gmarcus <gmarcus@tmdeccsmtp.redstone.army.mil>
Subject: [19] Fox QRM
Message-ID: <9510148163.AA816383888@tmdeccsmtp.redstone.army.mil>

While unsuccessfully searching for the fox on Nov 7 I stumbled upon N3PM (my callsign is W3PM) and just had to have a QSO with him. I called him with my 4 watt QRP rig, but he could not copy my complete callsign. I then cranked the power up to 100 watts (horrors!) to complete a QSO with Joe up in Maryland.

When I finally read my email I discovered that the fox was none other than Chuck K5FO and not Mike NQ7K, who I was listening for. I was also disappointed to read Chucks's report about a member on the group causing QRM on the fox's frequency. As I did not hear, much less work Chuck that night, I was not concerned that I may have been the station that caused the QRM. Upon reading Chuck's fox report where he had to QSY after working N3PM, I now realized

I may have inadvertently been party to the QRM problem. If I was,
I ask all my fellow foxhunters to accept my apology.

72/73...Gene W3PM

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: paul1@wizard.ucs.sfu.ca (Paul Erickson)
Subject: [41] Fox report
Message-ID: <9511150445.AA28827@wizard.ucs.sfu.ca>

Well, this will be short... Thanks to all those who listened. Sorry we
didn't connect.

Time:	Call:	rst (sent/recd)	Name:	QTH:	Freq:
0037	W1HUE	539/429	Larry	Id.	7045
0107	WW7Y	529/339	Steve	Ut.	7110
0134	KD7S	449/349	Bill	Ca.	7040
0150	W6ZH	449/549	Pete	Ca.	7040
0159	N6ULU	559/559	Stan	Ca.	7040

I would be interested to know if anyone else heard me.

I'm puzzled about the absance of KL7's. I was working them easily during S.S.

cheers, Paul
VE7CQK
email: paul1@wizard.ucs.sfu.ca

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: nwqrp@scn.org (SCN User)
Subject: [43] Greatly Improved Web Site
Message-ID: <199511150540.VAA10985@scn.org>

QRP-L Gang,

The NW QRP Web Site has been greatly improved. I finnally gained
access to my web directory. Where before our site was an automatically
generated shadow of our unix menus, now it has blossomed into
a work of art.

However, the work is not yet done. Some of you have told me about your sites as possible QRP links. Many more have knowledge of interesting and marvelous sites to be shared with a greater number of cyber-heads. In any case, Please check out this new site and tell me about new links, improvements, etc.

Lastly, thanks to all who checked out the old site. I may be simple, but it served its purpose well.

72,
--Brian, KV9X

```
--
      i                      NorthWest QRP Club
-=[scn]=-                      nwqrp@scn.org
      )|(                      / ^ \ ^ \ / ^ ^ \
      / _ | _ \                http://www.scn.org/IP/nwqrp/nwqrp.html
                                     --NW QRP--
```

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: paxton@sound.net (frank paxton iii)
Subject: [15] Handie Talkie for HF - expedition request
Message-ID: <199511141703.LAA19304@sound.net>

some time back there was a guy from chile i think that was asking for info on ht's that could be used on HF. if i remember correctly it was for an expedition of some kind.

please pass this info to the interested party...

October 1994 QST page 60-63 . here is an article on the casual use of the Tokyo Hy-Power HT-750 HT SSB/CW. It weighs 1.8 lbs and operates on 8 AA batteries. this is a hand held transceiver (largish ht) that works SSB and CW on the 40m, 15m and 6m band ! 3 watts out. the author bought it DIRECT FROM THE MANUFACTURER. the author's e-mail address was rowlett_d@hccs.cc.tx.us try it out....

Perhaps this is what you are after. the article indicates that the radio is solid and works ! the price (1994) was steep: over \$ 500 us payable in YEN only...

hope this helps.

frank. ng0n.

```
              ' ' '
            (o o)
.-----o00---( )---00o-----.
```

```
| fRaNk pAxToN iIi ng0n (816) 361 - 8661 |  
| << voice, message or fax >> |  
| e-mail: paxton@sound.net |  
| web: http://www.sound.net/~paxton |  
|-----|
```

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: wdzeares@ix.netcom.com (W. Dennis Zeares)
Subject: [32] Indoor dipole use
Message-ID: <199511150012.QAA12992@ix12.ix.netcom.com>

I am running a Ten Tec Argonaut about 5 watts input, 2/3 output on 20M.
I have a 20 Meter dipole in my living room on second floor. It is in
the shape of a diamond and of course I feed the center. It does work on
20 M. But I wonder if it will work on 40 Meters with a tuner or do I
need more antenna to be heard??. Anyone with experience on indoor
dipoles please share your ideas. Send me e-mail direct.
Thanks, Dennis K3ETS
wdzeares@ix.netcom.com

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: rhaslach@kevric.com (Robert D. Haslach)
Subject: [18] loops
Message-ID: <199511141836.NAA10008@tkn.kevric.mo.md.us>

I run a 40m horizontal loop: cut on the 1005/freq formula with a quarter
wave 72ohm coax matching section spliced to a 52ohm coax into the shack. It
perfectly maps the single hop. All my contacts lie within the 600m radius,
except for one Texas station, which was fox-hunting, and some Florida which
I assume is skipping like a flat stone along the Atlantic. My feed is at a
corner of the square. It is very efficient and quiet - a big deal on my city
lot. I have run a 15m vertically oriented square loop with a bottom corner
feed. With that one on that band I worked every Polish station (must be the
3rd skip) and such like on that radius. So, for DX run the loop vertical
and for 600 mile radio horizontal, I guess is one lesson. Another is that
they are fun to erect, involving tree climbing, slingshots, kevlar (r) rope,
and other fun activities.
Good luck
Bob N3FRT

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: N3UVR <doherty@lydian.scranton.com>
Subject: [37] need info: gel-cell charger
Message-ID: <Pine.LNX.3.91.951114212400.2734A-100000@lydian.scranton.com>

A friend of mine just gave me two 12 volt 6.2ah gel cells. (Sure is nice to have friends like that!) I am in need of a charger for the cells. Can anyone suggest a suitable charging device? Thanks in advance.

73 de N3UVR/QRP Scranton, PA, USA, North America, The Solar System, The Galaxy. Can I do Andromeda with 5 watts to a dipole? Or do I need a vertical.

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: "W. Daniel, 9V1ZV" <daniel@pandora.lugs.org.sg>
Subject: [44] New address
Message-ID: <30a9acd0.pandora@pandora.lugs.org.sg>

Hi Gang,

Just to inform everyone that my e-mail address will be changing to

daniel@pandora.lugs.org.sg

Thanks.

73 de 9V1ZV Daniel

--

Daniel Wee | daniel@pandora.lugs.org.sg
9V1ZV | daniel.wee@f516.n600.z6.fidonet.org

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: V\$BCIESLAK@china.qgraph.com
Subject: [47] No fox hear in SE Wis
Message-ID: <01HXNYFT8ZYA00UK91@hub.qgraph.com>

I didn't hear the fox though I did hear someone working him...I did slide up a few KC and worked KK5HA(who by the way had no problem keeping up with my code speed) and WB70 from Idaho. Both were 2 way qrp qso's.

I also heard Wi6i and k4fng. I heard the station talking to the fox on 7.041.7.

Oh well, no one said this would be easy.

72,
Brian AE9K

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: km@PACT.ORG.PE (Kris Merschrod)
Subject: [35] QRP and then QROing
Message-ID: <m0tFWV7-000B0LC@rcp.net.pe>

Once in a while, after proving the point that a contact has been made QRP, and wishing to sit back and talk it over, I QRO with 10 to 50 watts out put for a long QSO.

Many times the conversation with a QRO station will evolve around why I do that sort of thing, i.e., use so little power. That usually leads to the other station giving QRP a try to see just what it means in the report from my end.

So QRP is in the spirit of the hobby and talking it up is part of the fun. Making the other guy struggle after picking you up and establishing the contact seems a bit ungreatful after all, the other ham is doing all of the work.

72,
Kris
OA4DBO

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: "Norman E. Fink" <norm@uu1238.flowerslabs.com>
Subject: [17] Questions About Horizontal Loop Antennas
Message-ID: <9511141646.AA15058@flowerslabs.com>

Hello All,

I know a horizontal loop antenna has a high angle of radiation and is supposedly better for working close-in stations. Can anyone give me some info, from personal experience, of how

such an antenna performs when the skip is long? Does it enable you to work stations inside the skip zone?

Also, is the size of the loop critical, and does height affect its operation.

Norm, K2NF

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: lhalliday@creo.bc.ca
Subject: [21] Re[2]: LM 301 ????
Message-ID: <9510148163.AA816374129@mail.creo.bc.ca>

Bill Meahan WA8TZG writes:

> 2. The LM301 is used in the "15 Meter Novice Band QRP Transceiver" in
> the November 1995 CQ Magazine....The '301 ****may**** be obsolete, but
> given its popularity and the fact that many newer designs offer little
> improvement (given the correct problem space) I'd doubt it.

The Digi-Key part number is LM301AH-ND or LM301AN-ND, depending on whether you want a TO-99 or 8 pin DIP package. It's in their current catalogue; I leave it to others to verify availability.

This thread, the discussions of LM703s (I have a couple of NOS LM703s in my junkbox. No, you can't have them...), and the talk of Plessey being about to discontinue discrete components makes me wonder about the way we design our projects.

(Aside: there is all kinds of information on the SL6440 and SL6700 in the RSGB Handbook, including some nifty receiver ideas.)

Too many projects seem to be on the bleeding edge of technological obsolescence! While my work for an electronic manufacturer gives me relatively easy access to distributors, I've never needed to lean on company connections to get any components I needed - even for the DDS VFO a colleague and I are building. Most of the bits are from well known companies (e.g. Digi-Key, Radio Shack), and from local suppliers (Active, RP). We got our Qualcomm DDS chips through a local distributor (who also handle Mini-Circuits). We got our micro-controllers direct from Parallax (Basic Stamps are a seriously cool idea) when we found that Digi-Key were backordered.

My primary complaint these days is the high MOQs on chip resistors and capacitors... :-)

Laura Halliday VE7LDH
lhalliday@creo.bc.ca
ve7ldh@amsat.org

"C'est une femme mutine, assez
elegante, grave et legere, ayant
le sens du confort et du plaisir
en tout." - C. Deneuve

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: Steven Applen ~ MD4 MICROPROCESSOR DESIGN <sapplen@pcocd2.intel.com>
Subject: [14] unsubscribe
Message-ID: <9511140847.ZM18076@frx749.fm.intel.com>

unsubscribe sapplen@pcocd2.intel.com

--
Steven Applen

Intel Corporation
Microprocessor Division 6
Folsom Development Center

 /
 / _/_/_/_ _/_/_/_ _/_/_ _/_
/ _/_ _/_ _/_ _/_ _/_ _/_ _/_
 //_

FM3-161
1900 Prairie City Rd.
Folsom, CA 95630

Tel: 916/356-6243
Fax: 916/356-5719
email: sapplen@pcocd2.intel.com

in a system, a relatively few failure reasons are responsible for
the catastrophically many failures. Vifredo Pareto (1848-1923)

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: N5EM@aol.com
Subject: [13] Re: 15m QRP radio in November CQ Magazine (or: Attention RS-12
users!)
Message-ID: <951114112450_106110821@emout06.mail.aol.com>

In a message dated 95-11-11 02:57:36 EST, you write:

>With some thought and a few modifications, one might be able to
>construct just the transmitter section and a small 5w amp for

>generating a QRP uplink on the RS-12 satellite (15m up/10m down).
>Just add a 10m receiver, and (if you have an Advanced or Extra
>class license) you're ready to get on RS-12! I'd *LOVE* to
>eventually get on RS-12 with all homebrew QRP gear. Anyone else?
>
>

Doug and crew,

I, myself am also working on all QRP, small, portable RS-12 gear. Have one project half built from scratch (no boards, no kits) and a new concept working based on the GM-xx radios.

One word of caution. It seems to me to be poor practice to plan your RS-12 station around a 15 meter transmitter only. Remember, we are using a portion of the 15 meter band for uplink but that same segment is shared by terrestrial users as well. Common courtesy requires we listen on a frequency before using it, even though our target is a satellite and not the ionosphere.

Besides, 15 meters is a fun enough band so that I want my portable satellite rig to work both 15 and 10 for QRP work. So it's transceivers on both of them for me.

72 from Houston.
Ed Manuel, N5EM
n5em@aol.com (or n5em@amsat.org)

PS - Did we decide on a QRP calling frequency for RS-12?

Ed

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: adams@chuck.dallas.sgi.com (chuck adams)
Subject: [26] Re: Fox QRM
Message-ID: <199511142028.UAA23131@chuck.dallas.sgi.com>

Gene,

You were not the party that caused me to move.
It is not a big thing anyway and sorry that I
caused paranoia to run rampant through the group.

Relax everyone. Get on the air.

See everyone tonight. Remember after working the fox how about we all move down to 7.030MHz or so for the General's and above and 7.120-7.130 for the Novice and Tech+'s?

Works for me.

dit dit the fox is lose

--

Chuck Adams (K5FO CP-60) adams@sgi.com
Box 181150, Dallas, TX 75218-8150

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: Paul Harden <pharden@aoc.nrao.edu>
Subject: [27] Re: Fox QRM
Message-ID: <199511142056.NAA16160@zia.aoc.nrao.edu>

The FOX hunts are a great success in getting QRPers on the air. When I was the fox, several stations told me it was their first QSO in years. That's what it's all about. And as the fox continues, interest in it will grow, meaning more stations around the QRP frequencies. Whether you work the fox or not, it should serve as an excellent opportunity to QSO other stations or fellow fox hunters. We all know 40M CW is congested; QRM is a given. Show me a ham who has never had QRM and I'll show you a ham who has never had a QSO on 40. (or 20, or 80 ...).

I doubt anyone on the group would INTENTIONALLY QRM a fox station or for that matter, any on-going QSO. But due to propagation and other factors, it sometimes happens. Sure we hear QRL? immediately followed by a CQ. Doesn't mean he's intentionally QRMing, just didn't hear anything. This is a hobby, and at least some of it means operating. So get on the air and operate, whether fox hunting or not.

I don't think Chuck's comments were meant to discourage anyone from engaging in a QSO unless it was strictly fox related. Chuck started the fox thing to encourage QSOing, not limit it. Chuck merely said a QSO started so he moved. I had to do that twice when I was the fox. No big thing.

Hey, we got us a DX FOX tonite. And he's willing to work overtime to give ample opportunity to work him, maybe your first DX. That also means ample opportunity to hear and find others on the list to work as well. I'll be there. No furlough for me. (In fact, is that why a VE is the fox, since he's not subject to the US budget flap? Or it is just part of the North American Fox Trade Act ... you know, NAFTA?)

Paul NA5N

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: rossi@VFL.Paramax.COM (Pete Rossi)
Subject: [28] Re: Fox QRM
Message-ID: <9511142109.AA08954@gvlf6-a>

->The FOX hunts are a great success in getting QRPers on the air. When I
->was the fox, several stations told me it was their first QSO in years.
->That's what it's all about. And as the fox continues, interest in it
->will grow, meaning more stations around the QRP frequencies. Whether
->you work the fox or not, it should serve as an excellent opportunity
->to QSO other stations or fellow fox hunters. We all know 40M CW is
->congested; QRM is a given. Show me a ham who has never had QRM and I'll
->show you a ham who has never had a QSO on 40. (or 20, or 80 ...).

How does that saying go... the one about making an omelet without
breaking eggs?

Well, it's hard to have a QSO without causing QRM to someone.. be it
usually unintentional.. it's still QRM. Gotta live with it.

One person's QSO is another's QRM...

Pete Rossi - WA3NNA
rossi@vfl.paramax.com
Loral Defense Systems-Eagan (formerly Unisys Government Systems Group)
Valley Forge Engineering Center - Paoli, Pennsylvania

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: Francis Flynn <fflynn@together.net>
Subject: [36] Re: Fox QRM
Message-ID: <Pine.SOL.3.91.951114214801.5121C-100000@sequoia>

I built a 40 meter qrp transceiver a few years back, (2 watts out, DC rx).
>From Vermont I made a few contacts with it, mostly to some qro stations.
Then, I thought it would be a good idea to convert the rig to 30m. I
made a few contacts, but not very many. My question is, how much qrp
activity is there on 10mhz? Is it a popular qrpp band?

tnx, es 73

<http://together.net/~fflynn>
Francis Flynn,
fflynn@together.net ARS:KM1Z

From qrp-l@lehigh.edu Wed Nov 15 14:48:00 1995
From: David Fifield <fifield@lan.nsc.com>
Subject: [20] Re: LM301 ????
Message-ID: <9511141132.AA26610@davef>

--part_ACCE2EC90005DE54000000004
Content-Type: Text/Plain; charset=US-ASCII
Content-Disposition: Inline

This is my very first posting to QRP-L! I have been waiting to make it one where I could be useful, so here goes...

I work for National. I just checked the availability of the LM301. It appears that it is not obsolete. The part number for the 8 pin DIP package is LM301AN. It should still be available from distributors (like Digikey).

There are lots of other op amps available nowadays, with single rail supply, rail to rail outputs, better frequency response, super low noise etc.etc. that may be better suited to particular applications. I'd be happy to find and recommend part numbers if anyone requires.

--part_ACCE2EC90005DE54000000004
Content-Type: Text/Plain; charset=US-ASCII
Content-Disposition: Inline

73 de KE6ZBZ (ex G8INR)

Dave Fifield
fifield@lan.nsc.com

--part_ACCE2EC90005DE54000000004--

From qrp-l@lehigh.edu Wed Nov 15 14:48:00 1995
From: "Robert J. Gobrick" <rgobrick@public.compuserve.com>

Subject: [46] Re: need info: gel-cell charger
Message-ID: <199511151331.KAA22805@public.compuserve.nf.ca>

N3UVR,

I'm sure you will get a number of responses, but the one I am familiar with (I own) is a kit from A&A Engineering in California called the Smart Battery Charger. Good unit that has nice circuitry that tapers charge and switches to "top-off" charge mode after battery gets fully charged.

I believe Jade Products and Tejas also make Gell Cell charger kits that have gotten good reviews.

Good luck - you have half the battle won - you have the batteries now - now you need some "rejuvenation juice".

73/72 Bob V01DRB/WA6ERB

At 09:52 PM 11/14/95 EST, you wrote:

>A friend of mine just gave me two 12 volt 6.2ah gel cells. (Sure is nice
>to have friends like that!) I am in need of a charger for the cells. Can
>anyone suggest a suitable charging device? Thanks in advance.

>

>

> -----
> 73 de N3UVR/QRP Scranton, PA, USA, North America, The Solar System, The
> Galaxy. Can I do Andromeda with 5 watts to a dipole? Or do I need a
> vertical.

> -----

Bob Gobrick	V01DRB/WA6ERB/VE2DRB	Newfoundland, Canada
QRPer	Galore - QRP	ARCI, GQRP, NORCAL, NEQRP, COQRP, MIQRP, NWQRP
Internet:	bgobrick@terra.nlnet.nf.ca	
	rgobrick@public.compuserve.nf.ca	
Compuserve:	70466.1405@compuserve.com	

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: "N100Q Tom R. @ MR01" <randolph@est.ENET.dec.com>
Subject: [22] re: Parts Scavenging
Message-ID: <9511141805.AA25910@us4rmc.pko.dec.com>

> Since I became active in QRP.. I have been building up the junk box in
> anticipation of some upcoming projects. I've rendered no mercy on the garage

> sale radios, vcr's , TV's and other various and sundry items found by
> my XYL at the usual weekend sales.

Yup, I do this too. A great way to build up a radio junk box - tear apart old radios! I've picked up old TV sets left by the curb on trash day.

> Now the delimma! There are many parts which I don't recognize for what they
> may actually be. Caps and Resistors no problem but things like chokes,
> coils, IC's etc are going to be a problem.

Yah, I almost always end up tossing the ICs. Often they're labeled with some untraceable factory part number. Too bad, 'cuz I bet a lot of them are common parts that would be useful to experimenters. Likewise for many transistors. You could pull 'em, indentify PNP or NPN or FET, and use 'em for LED drivers or other such non-critical applications. I usually just toss 'em.

Have a collection of parts catalogs handy, even old ones. This is how you indentify those ICs that DO have traceable part numbers. This is also where you buy your chips and transistors, 'cuz you know what you're getting!

Coils and chokes are a special problem. I can pull these and bring them in for checking on the fancy RF analyzers we have in the lab. These are almost always spec'd at 1 MHz, so I test them for L and Q at that freq. One of those \$150 SWR analyzers that are for sale these days would probably do a good job on these.

The next problem is the coils are only rarely of the right value for your project. I don't recall ever having a junk box coil on hand, I usually just wind my own on a toroid. Iron powder and ferrite core coils may or may not work at the freq. you're designing for. Unless you somehow know what the core material is, these aren't of much use. I can identify core material by sweeping the core across a wide range of frequesies and comparing the response with the Amidon graphs. It's kind of a lot of work, so I save up a bag of random beads and sweep them all at one session.

> Is there a publication out there that helps identify these kind of parts?
> Would like to hear from anyone who uses the same method of adding scrap box
> inventory.

None that I know of. TV manufacturers have lots of shortcuts for saving money. That's why you see some really oddball parts. Take what you can use, or might use in the future, scrap the rest. If you can't identify it, it's no good to you, anyway. If you're like me, you have limited room to store all this junk, so no point in keeping useless stuff around. Buy what you can't scrounge. I buy probably 75% of the semiconductors, 99% of the coils/chokes, 25% of everything else.

-Tom R. N100Q randolph@est.enet.dec.com

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: Francis Flynn <fflynn@together.net>
Subject: [24] re: Parts Scavenging
Message-ID: <Pine.SOL.3.91.951114141543.14981A-100000@sequoia>

On Tue, 14 Nov 1995, N100Q Tom R. @ MR01 wrote:

> Yup, I do this too. A great way to build up a radio junk box - tear apart old
> radios! I've picked up old TV sets left by the curb on trash day.
>
> > Now the delimma! There are many parts which I don't recognize for what they
> > may actually be. Caps and Resistors no problem but things like chokes,
> > coils, IC's etc are going to be a problem.

A good reference to have is the ECG cross reference manual, you could probably get one for free at a parts dealer. Another is "ICmasterbator", pardon the name. It is an online reference, do a search as I don't have the url handy. If you need that, email me.

OTOH, many of ic's used in a TV are specific to the application and not likely to be of much use unless you are biulding a TV.

<http://together.net/~fflynn>
Francis Flynn, fflynn@together.net
ARS:KM1Z

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: "George C. Dorner" <gdorner@harper.cc.il.us>
Subject: [29] Re: QRP and Tandy Model 100/102/200 laptop
Message-ID: <Pine.3.87.9511141523.A9325-0100000@hp-h50.harper.cc.il.us>

I still have 2 M100s, the best product RS ever sold! I don't use them much but I can't bear to let go of them. They are still very useful for packet radio. The built-in communications program and a low power TNC like the KPC-3 and a talkie are all you need for a portable station.

For some time I ran a personal BBS using some nifty programs from "out east". I think the archives for the M100 family are still active on Compuserve under the Radio Shack forum.

geo

George C. Dorner
Technology, Math, & Physical Science Division
William Rainey Harper College
1200 W. Algonquin Rd.
Palatine, IL 60067-739
(708) 925-6445

gdorner@harper.cc.il.us
CIS 70536,106
w9zsj@ke9yq.ampr.org

Sometimes you think ..Welllll..
.. and other times you just don't know!

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: Jim Stafford-W4QO <w4qo@america.net>
Subject: [40] Re: QRP and Tandy Model 100/102/200 laptop
Message-ID: <Pine.SV4.3.91.951114232354.9807B@atl1>

Hey George, Greetings from GA. I'm kinda like you. Don't use much but for some things like classroom demos where they don't have a bunch of computers, they work real good. Simple progs like antenna length, ohms law, and reactance calculations, etc. The progs are simple and the students even in the 6th grade can follow the "instructions" we have given to the computer. If you come onto a cache of these, I sure would like to get 3 or 4 more. They are kinda like qrp computers. :)

Jim Stafford, W4QO RadioActive Schools(sm) -
11395 West Road Using amateur radio as
Roswell, GA 30075-2122 a teaching tool in north
770-993-9500 Georgia area schools.
Packet:W4QO@WA4BRO.#atl.ga.usa.na Internet: w4qo@america.net

On Tue, 14 Nov 1995, George C. Dorner wrote:

> I still have 2 M100s, the best product RS ever sold! I don't use them
> much but I can't bear to let go of them. They are still very useful for
> packet radio. The built-in communications program and a low power TNC
> like the KPC-3 and a talkie are all you need for a portable station.
>

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: "Mark A. Andrews" <ke4iof@fly.hiwaay.net>
Subject: [39] Re: QRP and Tandy Model 100/102/200 laptops (GEM: main tuni
Message-ID: <9511150407.AA17319@fly.HiWAAAY.net>

I've got one of these stuck back in the closet. Assembly you say? You

wouldn't happen to have any documentation on it would you?

(-----)
(Mark A. Andrews, KE4IOF)
(Symetric, Incorporated)
("Anything Digital..")
(-----)

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995

From: James Lyons <jlyons@CAM.ORG>

Subject: [31] Re: QRP and Tandy Model 100/102/200 laptops (GEM: main tuning knob)

Message-ID: <199511142302.SAA11278@Stratus.CAM.ORG>

I have a 100 which I occasionally use on Packet /Mobile. I did have several HAM programs at one time. An RTTY receive/transmit that worked with a modified ST-5 TU, a CW send program, and a logging/duping program that I wrote myself in BASIC/assembler. It is a great little computer for QRP and I intend to get back to it one of these days.

I think there is still a Forum on CompuServe with some of the software I mentioned above.

Jim Lyons, VE2KN

On Mon, 13 Nov 1995 Dquagliana@aol.com wrote:

> Is there anyone else out there who is a QRP fan and who uses one
> of the old Tandy laptops (Model 100, Model 102, or Tandy 200) ??
>
> I would be interested in hearing about any amateur radio applications.
>
> For the rest of the world: The original Tandy Model 100, first sold
> in 1983 was one of the first laptop computers ever, although I guess
> you would consider it a QRPP computer by today's standards.
>
> Originally sold with about 8k of RAM it ran on 4 AA batteries, had a
> small eight line screen, and built in ROM applications such as a
> telecommunications program, a word processor, and a BASIC interpreter.
> Also standard features were a 300 baud internal modem, serial and
> parallel ports and cassette port for saving data/programs to a tape
> recorder. The Tandy 102 was a later version of the Tandy 100, and the
> Model 200 was a clamshell (flip-top) type laptop largely compatible
> with the Model 100/102, but with three banks of 24k RAM and a larger
> 16 line screen.
>
> ObQRP: The plastic screw-top lid from a container of Nescafe instant

> coffee makes a great main tuning knob. The lid is three inches in
> diameter, and a one inch "ribbed" lip.
>
> Doug KA2UPW
> dquagliana@aol.com
>
>
>

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: JCoote@aol.com
Subject: [23] Re: QRP antennas
Message-ID: <951114135348_22160393@emout05.mail.aol.com>

In a message dated 95-11-13 13:23:05 EST, ghanson@uts.cc.utexas.edu (Gary R. Hanson) writes:

>In the interest of getting the most rf into and out of the antenna, I have
>wondered whether I would be better off feeding my 40 meter delta loop with
>coax or open-wire feedline. I currently use coax ala the 75 ohm
transmission
>line transformer and 50 ohm coax right into the qrp rig. But the line loss
>is lower with the 300 ohm twin lead, right? But I would have to use a balun
>and a tuner....so does that increase the loss? Wonder if anyone has
>experimented. I get fairly decent reports with the delta loop even
>though it is running through tree branches, is sloped and not vertical and
>does not have equal length sides.

I would suggest feeding the antenna with any length of 300 ohm (quality) TV line or 450 ohm ladder line and a tuner. The tuner should have a balun, and a current balun is preferable. The balanced line/tuner setup may have the same losses as coax, but the good part is the antenna can be operated on other bands.

72, Jay
WB6AAM

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: "Mark E. Monninger" <markem@primenet.com>
Subject: [25] Re: QRP antennas
Message-ID: <Pine.BSD.3.91.951114123609.1112A-100000@usr6.primenet.com>

On Tue, 14 Nov 1995 JCoote@aol.com wrote:
> I would suggest feeding the antenna with any length of 300 ohm (quality) TV

> line or 450 ohm ladder line and a tuner. The tuner should have a balun, and
> a current balun is preferable. The balanced line/tuner setup may have the
> same losses as coax, but the good part is the antenna can be operated on
> other bands.

>

Or use a balanced tuner. Then you don't have to worry about the balun.
They're not that difficult to build, esp. for QRP power levels.

Mark AA7TA

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: "George C. Dorner" <gdorner@harper.cc.il.us>
Subject: [30] Re: Questions About Horizontal Loop Antennas
Message-ID: <Pine.3.87.9511141507.A9325-0100000@hp-h50.harper.cc.il.us>

I've used my 160 m loop on all bands for several years, almost as my only antenna due to covenants against anything over 30' high. During that time it has sagged to "reachable" and has been as high as 40'. At present a guy is broken and I hope to raise it again tomorrow - in the Chicago antenna fixing weather we are having just now. I rarely have any problem in contests - I worked a KL7 in SS, but I don't break many pile-ups either. It IS dandy for ragchewing on 160/80 and is adequate on 40/20/15. I don't do much on 30 or the other WARC bands at the moment.

If you have room try it or an 80 m version. It's cheap. My philosophy about wire antennas: full speed ahead and damn the theory!

geo

George C. Dorner	gdorner@harper.cc.il.us
Technology, Math, & Physical Science Division	CIS 70536,106
William Rainey Harper College	w9zsj@ke9yq.ampr.org
1200 W. Algonquin Rd.	
Palatine, IL 60067-739	Sometimes you think ..Welllll..
(708) 925-6445	.. and other times you just don't know!

From qrp-1@lehigh.edu Wed Nov 15 14:48:00 1995
From: Ed DeBuvitz <edeb@indirect.com>
Subject: [38] Re: Questions About Horizontal Loop Antennas
Message-ID: <Pine.BSD/.3.91.951114202612.15806A-1000000@bud.indirect.com>

On Tue, 14 Nov 1995, Norman E. Fink wrote:

> Hello All,
>
> I know a horizontal loop antenna has a high angle of radiation
>
> and is supposedly better for working close-in stations. Can
>
> anyone give me some info, from personal experience, of how
>
> such an antenna performs when the skip is long? Does it
>
> enable you to work stations inside the skip zone?
>
> Also, is the size of the loop critical, and does height affect
>
> its operation.
>
>
> Norm, K2NF
>
>

Hi Norm. Just wanted to let you know that I used a horizontal loop for years and worked mucho dx with it. Mine was about 42 feet on a side and was a horizontal delta (three sides) and was only about 25 feet off the ground. I had one high end that was 30 feet high and that's where I fed it with 400 ohm twin line to a tuner. Worked DXCC with under 1 watt with it and 180 countries with 4 - 5 watts. Sure wish I had it now in this small apartment. I now use an Isolooop and it works very well but it ain't my loop. I highly recommend trying a horizontal loop of any size. The bigger the better...the more sunspots the better but it'll serve you well.

72---ed W5TTE